

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
19 February 2004 (19.02.2004)

PCT

(10) International Publication Number
WO 2004/015820 A1

(51) International Patent Classification⁷: H01R 13/629 (74) Agents: JORIO, Paolo et al.; c/o Studio Torta S.r.l., Via Viotti, 9, I-10121 Torino (IT).

(21) International Application Number: PCT/EP2003/008656 (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 5 August 2003 (05.08.2003) (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(25) Filing Language: English (26) Publication Language: English

(30) Priority Data: TO2002A 000701 6 August 2002 (06.08.2002) IT

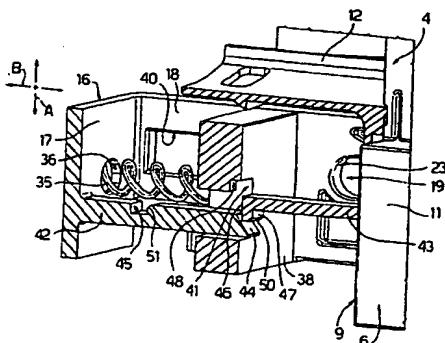
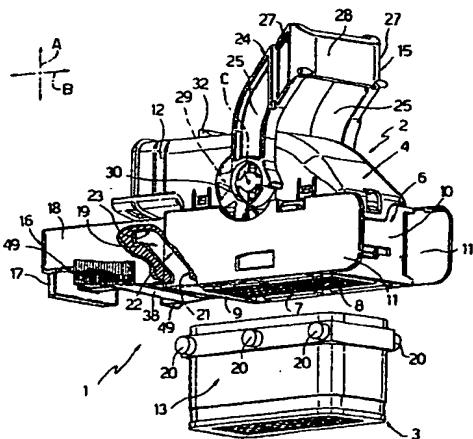
(71) Applicant (for all designated States except US): FCI [FR/FR]; 53, rue de Châteaudun, F-75009 Paris (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): TESTA, Davide [IT/IT]; Via Bistolfi, 9, I-10017 Montanaro (IT). GI-RARD, Fausto [IT/IT]; Via Padre Denza Francesco, 14, I-10152 Torino (IT).

[Continued on next page]

(54) Title: ELECTRIC CONNECTOR



(57) **Abstract:** There is described an electric connector (2) having an insulating casing (4) defining a number of cavities housing respective electric terminals and having axes parallel to a first direction (A) in which the connector (2) is coupled to a complementary connector (3); a slide (16) fitted to the casing (4) to slide in a second direction (B) perpendicular to the first direction (A), and having first cam coupling members (19) receiving respective second coupling members (20) on the complementary connector (3) to produce a relative coupling movement between the connectors (2, 3) in the first direction (A) when the slide (16) moves in the second direction (B); releasable retaining means (42, 43, 45, 47, 31, 32) defining a fully assembled position of the slide (16) to the casing (4); and elastic means (35) generating an elastic load on the complementary connector (3) being coupled to the casing (4), so as to expel the complementary connector (3), in the event the slide (16) fails to fully engage the casing (4).